

Forms included in this IM:

Hot Mix Asphalt Paving

Aggregates

Bridge Deck Overlay

Concrete Structures

Portland Cement Concrete Paving & Base Repair

Guardrail & Safety Enhancement

Pipe and Subdrain

Miscellaneous Materials

HOT MIX ASPHALT PAVING

Project No. _____

Contract No. _____

County _____

Contractor _____

Refer to IM 204 for Acceptance of Materials

<u>Basis of Acceptance</u>		<u>Type</u>	<u>Unit</u>	<u>Source</u>
Cert.	Binder	_____	Tons	_____
Cert.	Binder	_____	Tons	_____
Cert.	Tack	_____	Gallons	_____
Cert.	Tack	_____	Gallons	_____

<u>Basis of Acceptance</u>		<u>Type and Des. No.</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
Plant Report	HMA	_____	Tons/ SY	_____	_____
Plant Report	HMA	_____	Tons/ SY	_____	_____
Plant Report	HMA	_____	Tons/ SY	_____	_____
Plant Report	HMA	_____	Tons/ SY	_____	_____

Job Control Tests(Construction)

			<u>Required</u>	<u>Reported</u>
Combined aggregate - gradation		1 Cert Test/lot	_____	_____
Monitor gradation tests (splits w/ CPI)		1st day + 10%	_____	_____
Binder	(DSR) Sample	1/80 Tons	_____	_____
Binder	(DSR) Tests	1st 3 days -1/wk	_____	_____
Liquid asphalt	Viscosity or Residue	1 per proj.	_____	_____
Lab density -	(QMA) No. of tests based on production		_____	_____
Lab density -	(Non-QMA)	1 per lot	_____	_____
Compacted mixture (Density, voids & thickness)		1 per lot	_____	_____
Quality index		1 per lot	_____	_____
Filler bitumen ratio		1 per lot	_____	_____
Smoothness -	Cert. Test	Form 1263	_____	_____

Verification Tests (Materials)

Aggregate Quality	1/20,000 Tons/Mix	_____	_____
AC Binder	1/20,000 Tons/Mix	_____	_____
Uncompacted mixture (Lab Density/Voids)	1/20,000 Tons/Mix	_____	_____

Independent Assurance (Materials)

Compacted mixture (Density, voids & thickness)	1st day + 10%	_____	_____
Smoothness - Form 1263	10% proj	_____	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

Construction and Materials Review

AGGREGATES

Project No. _____

Contract No. _____

County _____

Contractor _____

Refer to IM 204 for Acceptance of Materials

Proportioned Aggregates**Basis of Acceptance**

	<u>Type of Aggregate</u>	<u>Source / A-Number</u>
Cert.	_____	_____
Cert.	_____	_____
Cert.	_____	_____
Cert.	_____	_____
Cert.	_____	_____
Cert.	_____	_____

Non-Proportioned Aggregates (Porous Backfill, Subbase, Revetment, Etc....)**Basis of Acceptance**

	<u>Type of Aggregate</u>	<u>Source / A-Number</u>	<u>Units</u>	<u>Reported</u>
Cert.	_____	_____	Tons	_____
Cert.	_____	_____	Tons	_____
Cert.	_____	_____	Tons	_____
Cert.	_____	_____	Tons	_____
Cert.	_____	_____	Tons	_____
Cert.	_____	_____	Tons	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

Construction and Materials Review

BRIDGE DECK OVERLAY

Project No. _____

Contract No. _____

County _____

Contractor _____

Refer to IM 204 for Acceptance of Materials

<u>Basis of Acceptance</u>	<u>Items</u>	<u>Source</u>
Cert./ AS	cement	_____
Cert./ AS	fly ash	_____
Cert./ AS	GGBFS	_____
Cert./ AS and monitor	fine aggregate	_____
Cert./ AS and monitor	coarse agg.	_____

	<u>Mix Type</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____

<u>Items</u>		<u>Approved Brand/ &/or Batch #</u>
Air Entraining Agent	Approved Brand	_____
Curing Compound White	Approved Brand/Batch #	_____
Retarding Admixture	Approved Brand	_____
Water Reducing Admixture	Approved Brand	_____

<u>Job Control Tests (Construction)</u>			
Air Test	1/ 100 SY	Form 211	_____
Slump Test	1/ 100 SY	Form 212	_____
Density- nuclear	6/ bridge or min 3 per placement		_____
Smoothness	Cert. Report	Form 1263	_____

<u>Verification Tests (Materials)</u>			
Coarse aggregate-quality		1/ project	_____
Cement		1/ project	_____

<u>Independent Assurance (Materials)</u>			
Nuclear test-densities	Form 1297	(witness)	_____
Smoothness -	Form 1263	1 set wheeltracks (minimum)	_____

<u>Department Info (Materials)</u>			
Compression cylinders (primary projects only)		3/ project	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

Construction and Materials Review

CONCRETE STRUCTURES

Project No. _____

Contract No. _____

County _____

Contractor _____

Type of Structure _____

	<u>Mix Type</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____

Refer to IM 204 for Acceptance of Materials

Basis of Acceptance**Items****Approved Source**

Cert. / Approved Source

Cement

Cert. / Approved Source

GGBFS

Cert. / Approved Source

Fly Ash Type _____

Basis of Acceptance**Items****Unit****Required****Reported**

Fab. Report

Beams, prestressed

Each

Cert or Test Rpt from Approved Agency

Piling, wood

Lf.

Mill Cert

Piling, steel H (53)

Lf.

Mill Cert

Piling, steel H (42)

Lf.

Fab. Report

Piling, concrete

Each

Mill Cert

Reinforcing steel, uncoated

Lbs.

Mill Cert, Epoxy Cert & Test Report

Epoxy coated steel

Lbs.

Test report

Bronze bearing plates

1/Project

Approved Shop Dwg & Fab Report

Steel diaphragms

Lbs.

Approved Shop Dwg & Fab Report

Floor drains

Lbs.

Approved Shop Dwg & Fab Report

Steel masonry plates

Lbs.

Approved Shop Dwg & Fab Report

Structural steel

Lbs.

Cert. Or Test Report

Wood Treated Timber and Lumber

Ft.

Test report Conduit Size/ Type

/

Test report Conduit Size/ Type

/

Test report Conduit Size/ Type

/

Test report Conduit Size/ Type

/

Test report Conduit Size/ Type

/

Comments: _____

Project Engineer Reviewed by: _____

Date: _____

District Materials Reviewed by: _____

Date: _____

Construction and Materials Review
CONCRETE STRUCTURES

Project No. _____

Contract No. _____

County _____

Contractor _____

Refer to IM 204 for Acceptance of Materials

Items		<u>Approved Brand, Source &/or Batch #</u>
Air Entraining Agent	Approved Brand	_____
Curing compound, White	Approved Brand/ Batch #	_____
Curing Compound, Clear	Approved Brand	_____
Retarding mixture	Approved Brand	_____
Water reducer admixture	Approved Brand	_____
Engineering fabric	Approved Brand	_____
Joint Filler, Flex Foam Type CF & EF	Approved Brand	_____
Neoprene Bearing Pad	Approved Brand	_____
Paint, Bridge Type _____	Approved Brand	_____
Paint, Bridge Type _____	Approved Brand	_____
Paint, Bridge Type _____	Approved Brand	_____
Paint, Bridge Type _____	Approved Brand	_____
Rodent Guard	Approved Brand	_____
Subdrain, CMP, Concrete or PE	Approved Source	_____
Subdrain outlet, for CMP or PE	Approved Source	_____
Curing compound for barrier rail	Approved Brand	_____
Concrete sealer	Approved Brand	_____

Comments: _____

Project Engineer Reviewed by: _____

Date: _____

District Materials Reviewed by: _____

Date: _____

Construction and Materials Review

CONCRETE STRUCTURES

Project No. _____

Contract No. _____

County _____ Contractor _____

Refer to IM 204 for Acceptance of Materials

Job Control Tests (Construction)

		<u>Required</u>	<u>Reported</u>
Fine aggr.- grad. process/accept. control	1 Test/ Lot*	_____	_____
Fine aggr.- acceptance monitor grad.	1st lot, then 10%	_____	_____
Coarse aggr.- grad. process/accept. control	1 Test/ Lot*	_____	_____
Coarse aggr.- acceptance monitor grad.	1st lot, then 10%	_____	_____
Air test	1/30 CY	_____	_____
Slump test	1/30 CY	_____	_____
Test beams	2/placement, IM 528	_____	_____
Smoothness	Cert. Test Form 1263	_____	_____

Verification Tests (Materials)

		<u>Required</u>	<u>Reported</u>
Coarse aggregate - quality	1/1000 CY	_____	_____
Cement	1/1000 CY	_____	_____
GGBFS	1/1000 CY	_____	_____
Reinforcing steel	IM 451	_____	_____
Reinforcing steel, epoxy	IM 451.03B	_____	_____

Independent Assurance (Materials)

		<u>Required</u>	<u>Reported</u>
Smoothness	10 % of project	_____	_____

Department Info (Materials)

		<u>Required</u>	<u>Reported</u>
Compression cylinders (Primary Only)	3/project	_____	_____

*Lot = 1 days run or approx. 250 CY whichever is greater. If less than 250 CY are produced in one calendar week, then that week's work may be considered a lot.

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

Construction and Materials Review

PORTLAND CEMENT CONCRETE PAVING & BASE REPAIR

Project No. _____

Contract No. _____

County _____

Contractor _____

	<u>Mix Type</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____
Plant Report	_____	CY or SY	_____	_____

Refer to IM 204 for Acceptance of Materials

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Source</u>
Cement	Cert	_____
GGBFS	Cert	_____
Fly Ash Type _____	Cert	_____
Fine Aggregate	Cert	_____
Interm. Aggregate	Cert	_____
Coarse Aggregate	Cert	_____

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Approved Brand &/or Batch #</u>
Admixture-Air Entraining	Approved Brand	_____
Admixture-Retarder	Approved Brand	_____
Admixture-Water Reducing	Approved Brand	_____
Curing compound, White	Approved Brand/ Batch #	_____
Curing compound, Clear	Approved Brand	_____
Concrete sealer	Approved Brand	_____
Engineering fabric	Approved Brand	_____
Grout, Polymer	Approved Brand	_____
Joint Filler, Flex Foam type CF & EF	Approved Brand	_____

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
Reinforcing steel (dowels)	Mill Cert, Epoxy Cert/Test Report,	Lbs.	_____	_____
Reinforcing steel (tie bars)	Mill Cert	Lbs.	_____	_____
Dowel basket assemblies	Approved Source/Mill Cert, Epoxy Cert	Lbs.	_____	_____
Water (other than city)	Test Report 1 per source	Tests	_____	_____

Comments: _____

Project Engineer Reviewed by: _____

Date: _____

District Materials Reviewed by: _____

Date: _____

Construction and Materials Review

PORTLAND CEMENT CONCRETE PAVING & BASE REPAIR

Project No. _____

Contract No. _____

County _____

Contractor _____

Refer to IM 204 for Acceptance of Materials

Job Control Tests (Construction)

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Required</u>	<u>Reported</u>
Fine aggr. gradation process control	1/ lot Form 224	_____	_____
Fine aggr. acceptance monitor grad.	1st lot, then 10% Form 1283	_____	_____
Intermediate aggr. process control	1/ lot Form 224	_____	_____
Intermediate aggr. acceptance monitor grad.	1st lot, then 10% Form 1283	_____	_____
Coarse aggr. gradation process control	1/ lot Form 224	_____	_____
Coarse aggr. acceptance monitor grad.	1st lot, then 10% Form 1283	_____	_____
Air test (Paving Only)	1/1000 CY or 1/day Form 224	_____	_____
(Paving w/ Transit mix)	1/100 CY	_____	_____
(Base Repair Only)	2/Half Day Form 224	_____	_____
Slump test (Fixed Form)	1/1000 CY or 1/day	_____	_____
(Paving w/ Transit Mix)	1/100 or 1/day	_____	_____
(Base Repair Only)	2/Half Day Form 224	_____	_____
Flex. strength beams	1/2000 CY or 2/day Form 224	_____	_____
(designate maturity, maturity curves and verifications)		_____	_____
Thickness (hardened concrete)	1/2000 SY	_____	_____
Cement yield check	1/10000 CY Form 912	_____	_____
Smoothness	Cert. Report Form 1263	_____	_____

Verification Tests (Paving Only) (Materials)

<u>Items</u>	<u>Basis of Acceptance</u>	<u>Required</u>	<u>Reported</u>
Coarse aggregate - quality	1/100,000 SY	_____	_____
Cement	1/100,000 SY	_____	_____
Fly ash - Type _____	1/100,000 SY	_____	_____
GGBFS	1/100,000 SY	_____	_____
Gradation (QMC Projects Only)	1/project	_____	_____
Reinforcing steel	1/District/Year	_____	_____
Reinforcing steel, epoxy	1/District/Year	_____	_____

Independent Assurance (Materials)

Thickness cores	10% project	_____	_____
Smoothness	10% project Form 1263	_____	_____

Comments: _____

Project Engineer Reviewed by: _____ Date: _____

District Materials Reviewed by: _____ Date: _____

2002

Construction and Materials Review

GUARDRAIL & SAFETY ENHANCEMENT

Project No. _____

Contract No. _____

County _____

Contractor _____

Refer to IM 204 for Acceptance of Materials

<u>Basis of Acceptance</u>	<u>Item</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
Cert or Test report	Posts for guardrail, wood	Each	_____	_____
Test report	Guardrail, cable	Lf.	_____	_____
Fab. Report	Steel, Posts	Each	_____	_____
Test report	RE _____ end anchorages	Each	_____	_____
Test report	RE _____ end anchorages	Each	_____	_____
Test report	RE _____ end anchorages	Each	_____	_____
Test report	RE _____ end anchorages	Each	_____	_____
Test report	RE _____ bridge connection	Each	_____	_____
Test report	RE _____ bridge connection	Each	_____	_____
Test report	RE _____ end anchorages, cable	Each	_____	_____
Test report	RE _____ end anchorages, cable	Each	_____	_____
Test report	Delineator posts	Each	_____	_____
Test report	Object Markers, Type 3	Each	_____	_____

<u>Basis of Acceptance</u>	<u>Item</u>	<u>Brand</u>
Approved Brand	Delineators, amber	_____
Approved Brand	Delineators, white	_____
Approved Brand	Guardrail, formed steel beam	_____
Approved Brand	Guardrail, formed steel beam	_____

<u>Basis of Acceptance</u>	<u>Item</u>	<u>Miscellaneous</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

Comments: _____

Project Engineer Reviewed by: _____

Date: _____

District Materials Reviewed by: _____

Date: _____

Construction and Materials Review

MISCELLANEOUS MATERIALS

Project No. _____

Contract No. _____

County _____

Contractor _____

(Pavement Markings, Beads, Subdrain Items, Erosion Control Items, Lighting, Signing, Etc.....)

Refer to IM 204 for Acceptance of Materials

<u>Item</u>	<u>Basis of Acceptance</u>	<u>Unit</u>	<u>Required</u>	<u>Reported</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

<u>Item</u>	<u>Basis of Acceptance</u>	<u>Unit</u>	<u>Brand or Source</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Comments: _____

Projected Engineer Reviewed by: _____

Date: _____

District Materials Reviewed by: _____

Date: _____

Construction and Materials Review
PIPE AND SUBDRAIN

Project No. _____

Contract No. _____

County _____

Contractor _____

Refer to IM 204 for Acceptance of Materials

Basis of Acceptance

ALL PIPE NEED CERTIFICATION

<u>Size</u>	<u>Type *</u>	<u>Required</u>	<u>Reported</u>	<u>Size</u>	<u>Type *</u>	<u>Required</u>	<u>Reported</u>
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____

* Select CMP, CRPC, unclassified, aprons, apron guards, diaphragms, elbows, tees, intakes, etc.

Basis of Acceptance

Field Tile

Source

Approved Source	Subdrain Pipe - Test report required if greater than 10,000 ft.	_____
Approved Source	Subdrain Pipe - Test report required if greater than 10,000 ft.	_____
Approved Source	Subdrain Pipe - (Concrete or clay)	_____
Approved Source	Subdrain Pipe - (CMP perforated	_____
Approved Source	Subdrain Pipe Outlet - (CMP)	_____
Approved Source	Subdrain Pipe Outlet - (PE)	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Comments: _____

Project Engineer Reviewed by: _____

Date: _____

District Materials Reviewed by: _____

Date: _____